Logical Questions milestone ONE

1. Write a java program to Swap 2 numbers

    e.g.

    original values are :-
    no1=10 no2=20

    Values after swapping are :-
    no1=20 no2=10

    2. Write a Java program to calculate profit or loss. if sellingPrice is greater than costPrice then it is profit . if sellingPrice is less than costPrice then it is loss .

    e.g.

    Enter Selling Price :-

    1200

    Enter Cost Price :-

    300

    Profit is :- 900

   3. Write a Java program to input basic salary of an employee and calculate its Gross salary according to following:

Basic Salary <= 10000 : HRA = 20%, DA = 80%

Basic Salary <= 20000 : HRA = 25%, DA = 90%

Basic Salary > 20000 : HRA = 30%, DA = 95%

e.g.

Enter basic salary of an employee :-

15000

He got HRA with rupees :- 3750.0

He got DA with rupees :- 13500.0

GROSS SALARY OF EMPLOYEE = 32250.0

4. Read a character from an user and display whether it is Alphabet or Digit or Special Character

  e.g.   Enter any character :- 7

  7 is Digit.

5. Read marks of five subjects(Physics/Chemistry/Biology/Mathematics/Computer) from an user. Then calculate percentage . Assume each subject is of 100 marks . Then display grade of student according to given formula :-

  per>=90 = > A Grade

  per>=80 = > B Grade

  per>=70 = > C Grade

  per>=60 = > D Grade

   per>=40 = > E Grade

  per<40   = > F grade

e.g.

Enter Marks for Physics :-

45

Enter Marks for Chemistry :-

34

Enter Marks for Biology :-

23

Enter Marks for Mathematics :-

45

Enter Marks for Computer :-

67

Total of Marks is :- 214.

Grade E with Percentage :- 42%.